

# PATENT COÖPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference <b>309958</b>	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. <b>PCT/EP2006/050476</b>	International filing date ( <i>day/month/year</i> ) <b>26 January 2006 (26.01.2006)</b>	Priority date ( <i>day/month/year</i> ) <b>14 March 2005 (14.03.2005)</b>
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant <b>ROBERT BOSCH GMBH</b>		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a).																								
2.	<p>This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 35%;">Box No. I</td> <td style="width: 50%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Date of issuance of this report <b>03 October 2007 (03.10.2007)</b></td> </tr> <tr> <td style="padding: 5px;"> Authorized officer   <div style="text-align: center; font-weight: bold; font-size: 1.2em;">Yolaine Cussac</div> e-mail: pt11.pct@wipo.int </td> </tr> </table>	Date of issuance of this report <b>03 October 2007 (03.10.2007)</b>	Authorized officer  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">Yolaine Cussac</div> e-mail: pt11.pct@wipo.int
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Authorized officer  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">Yolaine Cussac</div> e-mail: pt11.pct@wipo.int			

# PATENT COOPERATION TREATY

TRANSLATION

From the  
INTERNATIONAL SEARCHING AUTHORITY

## PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year)	<b>See form PCT/ISA/210</b>
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Applicant's or agent's file reference <b>309958</b>	FOR FURTHER ACTION See paragraph 2 below
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International application No. <b>PCT/EP2006/050476</b>	International filing date (day/month/year) <b>26.01.2006</b>	Priority date (day/month/year) <b>14.03.2005</b>
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International Patent Classification (IPC) or both national classification and IPC  
**B60C23/06**

Applicant  
**ROBERT BOSCH GMBH**

1. This opinion contains indications relating to the following items:

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application   |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application  |

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/EP	Date of completion of this opinion	Authorized officer
Facsimile No.		Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2006/050476

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:
  - ☒ the international application in the language in which it was filed
  - ☐ the translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☐ on paper
    - ☐ in electronic form
  - c. time of filing/furnishing
    - ☐ contained in the international application as filed
    - ☐ filed together with the international application in electronic form
    - ☐ furnished subsequently to this Authority for the purposes of search
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2006/050476

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	2 - 15	YES
	Claims	1	NO
Inventive step (IS)	Claims	8	YES
	Claims	2 - 7, 9 - 15	NO
Industrial applicability (IA)	Claims	1 - 15	YES
	Claims		NO

2. Citations and explanations:

**Box V**

1 Reference is made to the following documents:

D1: US 2001/022551 A1 (BARNETT RONALD J)  
20 September 2001 (2001-09-20)  
D2: US 4 717 905 A (MORRISON, JR. ET AL.)  
5 January 1988 (1988-01-05)  
D3: DE 100 44 288 A1 (CONTINENTAL TEVES AG & CO.  
OHG) 19 July 2001 (2001-07-19)  
D4: DE 39 09 466 A1 (DODUCO GMBH + CO DR. EUGEN  
DUERRWAECHTER, 7530 PFORZHEIM, DE)  
4 October 1990 (1990-10-04)

2 INDEPENDENT CLAIM 1

2.1 The present application does not meet the  
requirements of PCT Article 33(1) because the  
subject matter of claim 1 is not novel within the  
meaning of PCT Article 33(2).

Document D1 discloses (the references between  
parentheses refer to this document):

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2006/050476

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

a device (fig. 2C) for detecting the state of a tyre (2) on a wheel of a vehicle, with at least one sensor (4) which determines state data of the tyre (2) and outputs it to a receiver unit (8) of the vehicle, wherein at least one vehicle-end sensor (4) is provided, which determines values representing a distance (DIST<sub>actual</sub>) from at least one measuring target (fig. 2C) which is defined on the tyre (2) and outputs said values to an evaluation device (6, 12) which determines state data ("pressure", "temperature") of the tyre (2) from them (paragraphs 44 - 47).

Furthermore, D2 and D3 also present all the features of claim 1.

3 DEPENDENT CLAIMS 2 - 7, 9 - 15

Claims 2 - 7 and 9 - 15 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty and inventive step (see D1 - D4 in this respect).

4. DEPENDENT CLAIM 8

The definition of a first measurement target on an edge of the tyre, and of a further measurement target on the wheel, in which case the further measurement target serves as a reference measurement target, is neither known from the prior art nor suggested by it.